	Application No.	Applicant(s)	
Notice of Allowability	10/656,211	OGAWA	
	Examiner	Art Unit	
	Matthew E. Warren	2815	·-·-
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. X This communication is responsive to the application filed on	n September 8, 2003.		
2. The allowed claim(s) is/are <u>1-4</u> .			
3. The drawings filed on <u>08 September 2003</u> are accepted by the Examiner.			
4. ☑ Acknowledgment is made of a claim for foreign priority un a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must	been received. been received in Application No cuments have been received in this r of this communication to file a reply of this application. itted. Note the attached EXAMINER' as reason(s) why the oath or declarates to be submitted.	national stage applica complying with the red S AMENDMENT or N tion is deficient.	quirements
 (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the state of Draftspers 	on's Patent Drawing Review(PTO-6 s Amendment / Comment or in the O .84(c)) should be written on the drawin	ffice action of	e back) of
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 08 September 2003 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. ☐ Notice of Informal Posts 6. ☐ Interview Summary Paper No./Mail Dat 7. ☐ Examiner's Amendary 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), e nent/Comment	

DETAILED ACTION

Allowable Subject Matter

Claims 1 - 4 allowed.

The following is an examiner's statement of reasons for allowance: the prior art reference, alone or in combination, do not show a power semiconductor device comprising a polygonal nut for receiving a clamping bolt, the polygonal nut securely inserted in a nut insertion hole formed in the thin portion of a resin case, the polygonal nut is engaged with an inner surface of the nut insertion hole, wherein the inner surface of the nut insertion hole has a round-shaped notch concave portion formed at a position confronting a corresponding corner portion of the polygonal nut so that the corner portion of the polygonal nut is not in contact with a resin case member.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Masumoto et al. (US 5,825,085), Rearick (US 6,088,226), Yoshimatsu et al. (US 6,521,983 B1), and Nagaune et al. (US 5,373,105) show

Application/Control Number: 10/656,211 Page 3

Art Unit: 2815

semiconductor packages and housings using a polygonal nut in an insertion hole to secure components of the housings.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew E. Warren whose telephone number is (571) 272-1737. The examiner can normally be reached on Mon-Thurs, and alternating Fri, 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MEW MEW

March 21, 2004

GEORGE ECKERT PRIMARY EXAMINER